13 November 1977

MEMORANDUM FOR HOLDERS OF DCI/IC-77-3360

SUBJECT:

Request for Data to Support Intelligence Community

Staff Review of PI Resources

REFERENCE:

DCI/IC-77-3360 (Memorandum from A/D/DCI/IC,

Same Subject, dated 1 November 1977,

Classified SECRET)

Executive Secretary
Committee on Imagery Requirements and Exploitation

Attachment

25X1

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- d. A criticism of the imagery community is that there is excessive duplication of effort among different organizations. The NTP guidance is not too specific in this area. Should it be more specific in establishing constraints on duplicate exploitation? What recommendation could you make?
- e. The NTP establishes certain tasking responsibilities for first-, second-, and third-phase Basic exploitation. Are these responsibilities still valid? If not, why not, and how would you restructure them?
- f. Are the concepts of Basic and Direct Support exploitation still valid? If not, why not, and how would you suggest they be defined?
- g. Recent technology is accelerating the development of advanced means for making imagery and imagery-derived information more rapidly accessible to intelligence organizations worldwide. What changes do you foresee this will cause in the way imagery will be exploited throughout the Intelligence Community?
- 4. In addition to your answers to the above questions, request your overall opinion of the NTP as a key guidance document, as well as your comments on any other specific parts of the Plan.
- 5. In the course of reviewing the NTP, other queries may be made on specific points as the study progresses. Request, therefore, you provide the name, address, and phone number (open and secure) of your point-of-contact on this specific subject area.

2

(Revised)

DC1/IC-77-3362 28 October 1977

	MEMORANDUM FOR:	John N. McMahon Deputy to the DCI for the Intelligence Community	
25X1	FROM: [Deputy Chief, Imagery Division, OPEI	
	SUBJECT:	Request for Data to Support Intelligence Community Staff Review of PI Resources	
25X1	call which is included	PI Resources Study Group has developed a data in the attached letter. Additional information is nother means such as direct contact and examination	
25X1	the attention required. the addressees the opt	signature is needed to insure that the call is given Please note that the transmittal memorandum offers ion of naming points of contact for receipt of future expected that any follow-up actions resulting from illed by myself and/or 25)	X1
		25	X1
		25	X1

Distribution: (DCI/IC-77-3362)

Original - Addressee

·1 - D/OPEI

1 - ID Subj file

1 - ID Chrono file

1 - IC Registry

25X1 DCI/IC/OPEI/ID/IAB (28 Oct 77)

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The Director of Central Intelligence

Washington, D.C. 20565

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DCI/IC-77-3360 1 NOV 1977

MEMORANDUM FOR:

Deputy Director of Central Intelligence Director of Defense Intelligence Agency Assistant Chief of Staff for Intelligence

Department of the Army Director of Naval Intelligence

Assistant Chief of Staff, Intelligence

Department of the Air Force

Director, National Photographic Interpretation

Center

FROM:

John N. McMahon

Acting Deputy to the DCI for the

Intelligence Community

SUBJECT:

Request for Data to Support Intelligence Community

Staff Review of Pl Resources (U)

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Program Budget, the PRC(I) requested that the IC Staff study "the problem of photo interpreter (PI) billets from a community perspective." The DCI then directed the A/D/DCI/IC ". . . to develop an independent task force to do a fundamental review. . ." . In the same frame of reference. the DCI also expressed concern for "how we determine desirable and affordable overlap." As a result of these directives and concerns, the Terms of Reference provided at TAB A were approved on 7 September and the study was initiated.

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5X1	The Chairman of the study group has established task groups to develop data that will allow for examination of areas such as the National Tasking Plan, the process of establishment of requirements. levy of tasks, task performance, organizations, and PI-related resources. These task groups have thus far prepared separate requests for information/data which are provided at TABS B, C, D, and E. Your assistance in obtaining the needed responses will be appreciated. (The DIA study group representative has stated that DIA will coordinate the action with CINCSAC (544th ARTW), CINCEUR (497th RTG), CINCPAC (548th RTG), and CINCLANT (FICEURLANT).)		
5X1	3. Since a considerable amount of analysis of data will be required, it is requested that the responses to this call for data be forwarded to the Intelligence Community Staff, attention so as to be available for study by 15 December. It is probable that additional cate/information will be required as the study progresses. If it is preferable, future requests could be forwarded to addressees you name with information copies provided to you. This will be done only if you so indicate by the provision of alternate addressees.		
	John N. McMahon	25X1	
	Attachments: (5) Tab A - Terms of Reference Tab B - National Tasking Plan Review Tab C - National and Departmental Imagery Data Base Review Tab D - Imagery Direct Support		

Tab E - Organizational Review

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1 - Director of Defense Intelligence Agency

1 - Assistant Chief of Staff for Intelligence, Army

1 - Director of Naval Intelligence

1 - Assistant Chief of Staff, Intelligence, Air Force

1 - Director, NPIC

1 - Executive Registry

1 - A/D/DCI/IC

1 - IC Registry

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NATIONAL TASKING PLAN REVIEW (Questionnaire)

- 1. Since its approval and implementation in January 1967, the National Tasking Plan for the Exploitation of Multi-Sensor Imagery (NTP) has provided the approved frame of reference for the conduct of imagery exploitation in the intelligence community in response to National level requirements. Through the years, the plan has been modified through COMIREX directives to reflect necessary changes.
- 2. In 1973-1974, the NTP was reviewed by intelligence organizations in the Washington area to determine if the fundamental guidance it provided was still valid in the light of changing missions and functions, different organizational structures, and developments in imagery collection and exploitation technology. This review resulted in no major changes to the NTP; therefore, the Plan was not reissued at that time.
- 3. The experience we've had to date with the new system and the forecast of significant new developments in imagery, imaging technology, and information dissemination suggests that a new look at the NTP is necessary. To help with this review, request your answers to the following questions:
 - a. The NTP is based upon certain principles, precepts and concepts (Section VII). A change to any one or more of these could cause a significant change to various provisions of the plan. Do you feel that these principles, precepts and concepts continue to be valid? If not, how would you change them?
 - b. The NTP speaks of "national" and "departmental" requirements. How do you distinguish between the two? What specific elements separate one from the other?
 - c. The NTP establishes the concept of three phases of imagery exploitation first-, second-, and third-phase-which are fundamental to the basic purpose for the Plan itself. This concept has been modified by the COMIREX Advanced Exploitation System (CADES) to reflect Preliminary Exploitation/

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Current Exploitation (PE/CE) reporting for new system exploitation and second-phase periodic reporting. Is this concept of exploitation effective in the new system era? If not, why not? What changes would you recommend?

- d. A criticism of the imagery community is that there is excessive duplication of effort among different organizations. The NTP guidance is not too specific in this area. Should it be more specific in establishing constraints on duplicate exploitation? What recommendation could you make?
- e. The NTP establishes certain tasking responsibilities for first-, second-, and third-phase Basic exploitation. Are these responsibilities still valid? If not, why not, and how would you restructure them?
- f. Are the concepts of Basic and Direct Support exploitation still valid? If not, why not, and how would you suggest they be defined?
- g. The recently introduced near-real-time imagery collection technology is accelerating the development of advanced means for making that imagery and imagery-derived information more rapidly accessible to intelligence organizations worldwide. What changes do you foresee this will cause in the way imagery will be exploited throughout the Intelligence Community?
- 4. In addition to your answers to the above questions, request your overall opinion of the NTP as a key guidance document, as well as your comments on any other specific parts of the Plan.
- 5. In the course of reviewing the NTP, other queries may be made on specific points as the study progresses. Request, therefore, you provide the name, address, and phone number (open and secure) of your point-of-contact on this specific subject area.

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NATIONAL AND DEPARTMENTAL IMAGERY DATA BASE REVIEW (Questionnaire)

- 1. Previous PI-related reviews have contained statements that (1) indicate significant effort and manpower expenditures on data base development, maintenance, and use and (2) indicate PI-related data bases should provide analytical tools that reduce PI-related manpower requirements.
- 2. In order to obtain current information on these National and Departmental data bases now in use, this questionnaire was developed as as to address three specific kinds of data bases. If your organization has data bases other than these three types, please describe them in detail and include the description with your submission.
- 3. In the course of reviewing the responses, other queries made on specific points as the study progresses. Request, therefore you provide the name, address, and phone number (open and secure of your point-of-contact on this specific subject area.

Attachments:

- 1 Exploitation Products Data Bases
- 2 Installation Data Bases
- 3 Historical Photo Coverage Data Bases

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Organ	iza	tion		
Name	of	the	Data	Base

Exploitation Products Data Bases

For purposes of this survey, exploitation products data bases are defined as any automated file systems which contain records of imagery-based reports and memoranda. It includes those data bases that are completely dedicated to these types of records as well as data bases where the report records are only part of the file (such as in certain management information systems). Please add any comments you believe pertinent.

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A. Organizational Responsibility

- 1. Is the data base a direct result of tasking outlined in the National Tasking Plan or a result of departmental tasking?
- 2. If a result of departmental tasking, briefly explain where the tasking originated.

B. Content and Completeness

- 1. Briefly describe the general contents of the data base.
- 2. Does data base contain multiple files? If so, briefly describe each file.
- 3. What is highest level of classification of data maintained?
- 4. Are the data in data base contained in any other data bases, in the same or another format, prior to entry to your data base? If yes, specify other data base and organization of origin.
- 5. Do you receive data from other organizations in a computer-compatible form for inclusion in your data base? If yes, specify data type and organization(s) of origin.
- 6. Are data retired to offline files? If yes, what are retirement criteria and how may retired data be accessed?
- 7. Does the data base contain other data in addition to imagery exploitation products? If so, specify other types of information contained.
- 8. What types of imagery exploitation products are referenced in the data base?
- 9. Are all products of these types referenced?
- 10. If only selected products are referenced, state selection criteria.
- 11. Are product summaries or abstracts contained in the data base?

 If yes, for which products?
- 12. What is average time between product issuance to availability of reference in the data base?

Approved For Release 2005/03/24: CIA-RDP83M00171R000200120005-8 Accessibility and Unity

- 1. Who is primary user?
- 2. Is data base currently accessible through COINS? If yes, state initial year.
- 3. Is data base COINS-compatible at this time?
- 4. Do other organizations have retrieval access other than through COINS? If yes, how?
- 5. What level of data base utility exists at this time? Specify organization and use per same time period.
- 6. How long has data base been operational?
- 7. Are any future data base enhancements or modifications anticipated at this time? If yes, explain.
- 8. Is future inclusion of data base in another data base anticipated at this time? If yes, explain?
- 9. How is data base most often queried?
- 10. Do you transmit data as a standing service or on a prescribed schedule to other organizations for inclusion in their data bases? If yes, explain.

D. Cost

- 1. What is estimated total cost per year for data base maintenance in manyears?
- 2. What is estimated photo interpreter cost per year for data base maintenance in manyears?

E. National Exploitation Products Data File (EPF)

- 1. Are all of your organization's products entered into the EPE? (hard-copy reports, typescript direct-support memoranda, periodicals, etc.)
- 2. If not, what are your selection criteria for those to be entered?
- 3. Does your organization routinely query the EPF when a new requirement is received to see what has previously been published on the subject? It not, why not?
- 4. In your PI organization's opinion, do your requestors query the EPF? If not, why not?

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Organization_

Name of Data Base

Installation Data Bases

For purposes of this survey, installation data bases are defined as any automated file systems which contain records of imagery-derived intelligence on installations. It includes those data bases that are completely dedicated to these types of records as well as data bases where the installation records are only part of the file. Please add any comments you believe pertinent.

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Installation Data Bases

A. Organizational Responsibility

- 1. Is the data base a direct result of tasking outlined in the National Tasking Plan or a result of departmental tasking?
- 2. If a result of departmental tasking, briefly explain where the tasking originated.

B. Content and Completeness

- 1. Briefly describe the general contents of the data base.
- 2. Does data base contain multiple files? If so, briefly describe each file.
- 3. What is highest level of classification of data maintained?
- 4. Are the data in data base contained in any other data bases. in the same or another format, prior to entry to your data base? If yes, specify other data base and organization o origin.
- 5. Do you receive data from other organizations in a computer compatible form for inclusion in your data base? If yes, specify data type and organization(s) of origin.
- 6. Are data retired to offline files? If yes, what are retirement criteria and how may retired data be accessed?
- 7. Does the data base contain other data in addition to imagery derived data? If so, specify types of data contained.
- 8. Are all installation readouts contained in the data base? If not, why not?
- 9. Are all installation photo coverages indexed or referencec? If yes, specify degree of detail. If no, why not?
- 10. Are negative, no apparent change, or no activity readouts input?
- 11. What is primary data base index and what indices exist?
- 12. How many unique installation references are contained in the data base?
- 13. Do readouts employ standardized terminology? Is the standard documented? If so, reference documentation.

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14. What is average time between imagery exploitation and avail ability of image and readout references in the data base?

C. Accessibility and Utility

- 1. Who is primary user?
- 2. Is data base currently accessible through COINS? If yes, state initial year.
- 3. Is data base COINS-compatible at this time?
- 4. Do other organizations have retrieval access other than through COINS? If yes, how?
- 5. What level of data base utility exists at this time? Specify organization and use per same time period.
- 6. How long has data base been operational?
- 7. Are any future data base enhancements or modifications anticipated at this time? If yes, explain.
- 8. Is future inclusion of data base in another data base anticipated at this time? If yes, explain.
- 9. How is data base most often queried?
- 10. Do you transmit data as a standing service or on a prescribed schedule to other organizations for inclusion in the data bases? If yes, explain.
- 11. Are the data in the data base usable as direct input to statistical routines? Is this done?

D. Cost

- 1. What is estimated total cost per year for data base maintenance in manyears?
- 2. What is estimated photo interpreter cost per year for data base maintenance in manyears?

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E. <u>Installations Data File (IDF)</u>

- 1. Does your organization routinely query the IDF? If yes, approximately how many queries per month? If no, why not
- 2. What is your average or most frequently experienced turn around time? Minimum? Maximum?
- 3. Are you confident that the resulting output is complete and accurate? If no, explain.
- 4. Does your organization understand the criteria which guides the content and frequency of update of the IDF?

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Organ	iiza	tion		
Name	of	the	Data	Base

Historical Photo Coverage Data Bases

For purposes of this survey, historical photo coverage data bases are defined as any automated file systems which contain records of photographic or other imagery coverage. It includes those data bases that are completely dedicated to these types of records as well as data bases where the photo coverage records are only part of the file. Please add any comments you believe pertinent.

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Historical Photo Coverage Data Bases

A. Organizational Responsibility

- 1. Is the data base a direct result of tasking outlined in the National Tasking Plan or a result of departmental tasking?
- 2. If a result of departmental tasking, briefly explain where the tasking originated.

B. Content and Completeness

- 1. Briefly describe the general contents of the data base.
- 2. Does data base contain multiple files? If so, briefly describe each file.
- 3. What is highest level of classification of data maintained?
- 4. Are the data in data base contained in any other data bases in the same or another format, prior to entry to your data base? If yes, specify other data base and organization of origin.
- 5. Do you receive data from other organizations in a computer-compatible form for inclusion in your data base? If yes, specify data type and organization(s) of origin.
- 6. Are data retired to offline files? If yes, what are retirement criteria and how may retired data be accessed?
- 7. Does the data base contain other data in addition to photographic or other imagery coverage? If so, specify other types of information contained.
- 8. What photo or imagery collection systems are referenced in the data base?
- 9. Are <u>all</u> photo or imagery coverages for these damaging systems contained in the data base?
- 10. If only selected coverages contained in data base, state selection criteria.
- 11. Are image quality or weather data maintained in data base? If yes, how are they determined and by whom?

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12. What is average time between receipt of imagery and availability of image reference in the data base?

C. Accessibility and Utility

- 1. Who is primary user?
- 2. Is data base currently accessible through COINS? If yes, state initial year.
- 3. Is data base COINS-compatible at this time?
- 4. Do other organizations have retrieval access other than through COINS? If yes, how?
- 5. What level of data base utility exists at this time? Specify organization and use per same time period.
- 6. How long has data base been operational?
- 7. Are any future data base enhancements or modifications anticopated at this time? If yes, explain.
- 8. Is future inclusion of data base in another data base anticipated at this time? If yes, explain.
- 9. How is data base queried (circle, point, polygon, route, etc.)

D. Cost

- 1. What is estimated total cost per year for data base maintenance in manyears?
- 2. What is estimated photo interpreter cost per year for data base maintenance in manyears?

E. National Area Coverage File (NACF)

- 1. Does your organization routinely query the NACF? If yes, approximately how many queries per month? If no, why not?
- 2. What is your average or most frequently experienced turn around time? Minimum? Maximum?
- 3. Are you confident that the resulting output is complete and accurate? If no, explain.

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IMAGERY SUPPORT

- 1. One of the basic concepts of the National Tasking Plan was the reduction of duplication/overlap in the imagery analysis community. In order to assess the success of achieving this goal, it is necessary to accomplish an in-depth analysis of all imagery support efforts expended by all the involved organizations for a specific time period.
- 2. It is requested that each organization provide inputs, using the format provided at Attachment 1 of this TAB, for each imagery support requirement received and validated during the period 1 April through 30 September 1977 plus those "open ended" requirements in effect on 1 April 1977. Each organization should reproduce required copies of the format. List one requirement per page and number the pages in numerical sequence. An example is provided at Attachment 2 of this TAB.
- 3. To standardize the data submissions and to facilitate the development and analysis of the data, a breakdown of subject areas is provided at Attachment 3 of this TAB for those making inputs. It is recognized that there will be instances where a given requirement will include elements of more than one subject area. In those cases, the requirement will be listed under that one heading which best describes it.
- 4. Inputs related to this TAB will be forwarded so as to be available at the IC Staff Headquarters not later than 15 December 1977. Starting that date, the task group will analyze the inputs, by subject area, to isolate information relative to duplication and/or overlap. It may be necessary to request expansion of details for some inputs. In those cases, reference will be made to the page number of the organization input package. It is suggested that each organization annotate a retention copy in such a manner that it could respond easily to a request for expansion of detail related to a given requirement.

Attachments:

- 1 Imagery Support Requirement
- 2 Imagery Support Requirement (Filled out example)
- 3 Category/Subcategory

	CLASSIFICATION	Page	e No:	٠.
			mitting anization:	
IMAGER	Y SUPPORT REQUIREMENT			
Requesting Organization:		Date: Rec	eived:	
Category/SubCategory:		Due	:	
(See Attachment 3 for listing)		Con	pleted:	
Geographical Location: (Use TDI country code)		001.	.proteu.	(
Requirement Text (Provide total text or detail	ailed abstract):			
•				
			(11) 41	
Time Product Produced		Dis	tribution:	
Type Product Produced: (e.g., Briefing Board, Vugraph, Memo,	Hard Copy, etc.)	(If external, to whom: several, attach distribution:	

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Attachment L, IAB D



ORGANIZATIONAL REVIEW

- 1. The objectives of the Terms of Reference for this study include "... a fundamental review, from a community perspective of ... PI resources needed to respond in the most effective manner" and "to recommend any needed changes to the current tasking, management, organizational structures and staffing." The final report will include "recommendations for any needed changes to the current tasking management, organizational or staffing structure of any and/or all the involved PI organizations—individually or as a group." It should be noted that "PI-related" means all imagery related.
 - 2. The following data are requested for each organization:
 - a. A manning document which shows the total authorized civilian and military manning for FY 77. If the organization includes other than imagery related, be certain that those that are imagery related are highlighted for easy recognition.
 - b. Current organizational chart.
 - c. Current mission and function statement.
 - d. A display, in the format shown below, of total imagery-related exploitation, processing, and support personnel. Type personnel should be shown only in the three groups indicated. Show only first line supervisors in the Supervisory II group. List all others including management, clerical, graphics, editorial, etc., under support. The point is to simply account for all the imagery-related personnel in some simple format.

ORGANIZATION

Type Personnel

Actual Planned FY 77 FY 78 FY 79 FY 80 FY 81

FY 82

Imagery Interpreters (II)
Support

Support